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Voice-Recognition Garage Door Opener

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Table of Contents

Table of Figures

Abstract

This report describes the construction of a voice-recognition garage door opener as fulfillment of Senior Design Phase II. A typical garage door opener needs to be operated manually by the press of a button. This can sometimes be an annoyance to a driver who has to maintain their attention on the road. Therefore, I have designed a voice-recognition garage door opener that allows the users to program the word of his or her choice, and then speak the programmed word to automatically open the garage door. This report details the construction of the voice-recognition garage door opener, as well as performance and cost associated with the project.